

531901. Resistance to *Puccinia hordei* isolate ND89-3 that exhibits a wide virulence. Studies indicated that this line possesses an incompletely dominant gene that confers resistance to leaf rust, and that this gene is different from the previously described resistance genes (Rph1-Rph12) in barley. Resistance gene in this line segregated independently from the genes in NDBLR02 and NDBLR03.

**PI 584761. *Hordeum vulgare* L. ssp. *vulgare***

Breeding. NDBLR02; PI531901-2; NSGC 5540. Pedigree - selection from PI 531901. Resistance to *Puccinia hordei* isolate ND89-3 that exhibits a wide virulence spectrum. Resistance gene allelic to NDBLR03, but relation to other Rph genes is not known. Segregates independently of the resistance gene in NDBLR01.

**PI 584762. *Hordeum vulgare* L. ssp. *vulgare***

Breeding. NDBLR03; PI531901-3; NSGC 5541. Pedigree - selection from PI 531901. Resistance to *Puccinia hordei* isolate ND89-3 that exhibits a wide virulence spectrum. Resistance gene allelic to NDBLR02. Relation to other Rph genes not known. Segregates independently from gene in NDBLR01.

The following were developed by Hugo E. Vivar, International Maize and Wheat Improvement Center, Lisboa 27, Apdo. Postal 6-641, Mexico, Federal District 06600, Mexico. Donated by Yue Jin, North Dakota State University, Department of Plant Pathology, SU Station, P.O. Box 5012, Fargo, North Dakota 58105-5012, United States; Brian J. Steffenson, North Dakota State University, Department of Plant Pathology, P.O. Box 5012, Fargo, North Dakota 58105-5012, United States. Received 01/05/1995.

**PI 584763. *Hordeum vulgare* L. ssp. *vulgare***

Breeding. PC 11; NSGC 5542. Pedigree - San Carlos//Gloria/Come 'S'/3/CI2325//Boy\*2/3\*Surb. Resistance to pathotype QCC of *Puccinia graminis* f.sp. *tritici*. Also resistant to leaf rust, powdery mildew, and several leaf spotting diseases in 1993 and 1994 field nurseries.

**PI 584764. *Hordeum vulgare* L. ssp. *vulgare***

Breeding. PC 84; NSGC 5543. Pedigree - Mola 'S'/4/Brea 'S'/DL70//Mozdosky/3/Nopal 'S'/5/79W40762/6/Gloria 'S'/Copal 'S'. Resistance to pathotype QCC of *Puccinia graminis* f.sp. *tritici*. Also resistant to leaf rust, powdery mildew, and several leaf spotting diseases in 1993 and 1994 field nurseries.

**PI 584765. *Hordeum vulgare* L. ssp. *vulgare***

Breeding. PC 249; NSGC 5544. Pedigree - CI12823/CI585//CI9805.16D/3/Cita 'S'/4/Gal//K1/2\*CI2376/3/Gloria 'S'. Resistance to pathotype QCC of *Puccinia graminis* f.sp. *tritici*. Also resistant to leaf rust, powdery mildew, and several leaf spotting diseases in 1993 and 1994 field nurseries.

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**PI 584766. *Hordeum vulgare* L. ssp. *vulgare***

Breeding. Q21861; NSGC 5545. Pedigree - single head selection from a plant with unknown pedigree in CIMMYT nursery. Resistance to pathotypes